

ABSTRACT OF DISCLOSURE

The moving picture reproducing device to decode frames of moving picture data and synchronously output decoded moving picture data based on time information given to each frame, and to count up the number of frames from a first frame up to a second frame. The first frame is given the time information and appears first toward the positive direction of time axis from a predetermined intermediate seek position in the data stream. The second frame appears first after a key frame which is not given the time information and appears first toward the positive direction of time axis from the intermediate seek position. The time information of the key frame is thereby interpolated based on the time information of the first frame and the counted number of frames to reduce the extent of decoding processing and buffering during reproducing a MPEG moving picture data stream when the reproducing is performed from an optional intermediate seek position.